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utchen, Doyle, Brown & Enersen, LLP (415) 393-2000
e Embarcadero Center,
San Francisco, California 94111
Serial No: Not Yet Assigned
Filing Date: April 16, 2001
Inventors: Bristow, et al
Titled SOFTWARE AND PROTOCOT STRUCTURE
FOR AN AUTOMATED USER NOTIFICATION SYSTEM
Express Mailing Label No. EL710236861US
Figure 2 of 19 Attorney Docket No. 22962-7005

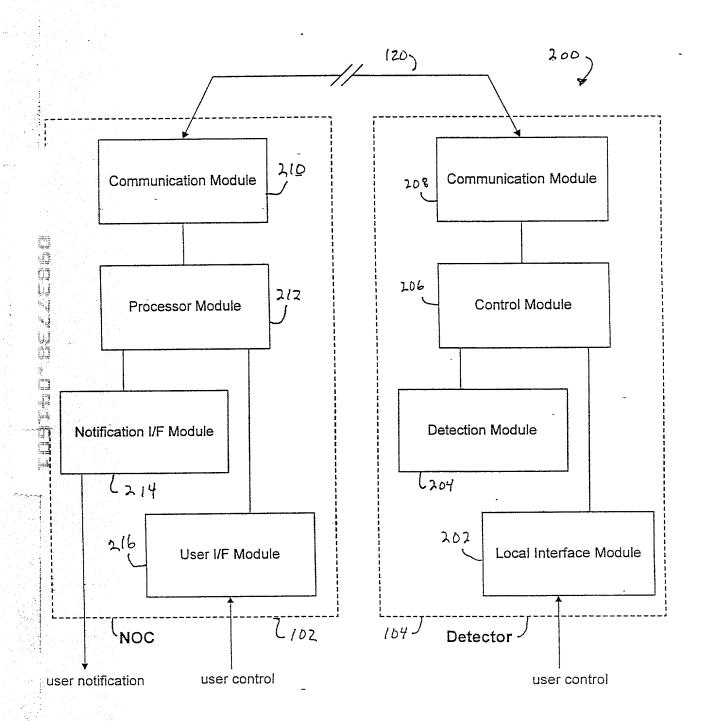
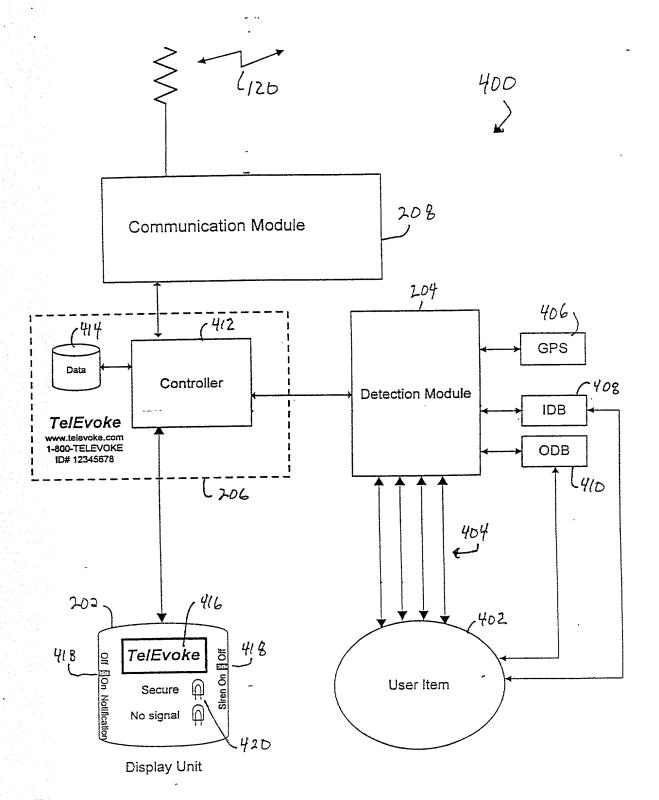


FIG. 2

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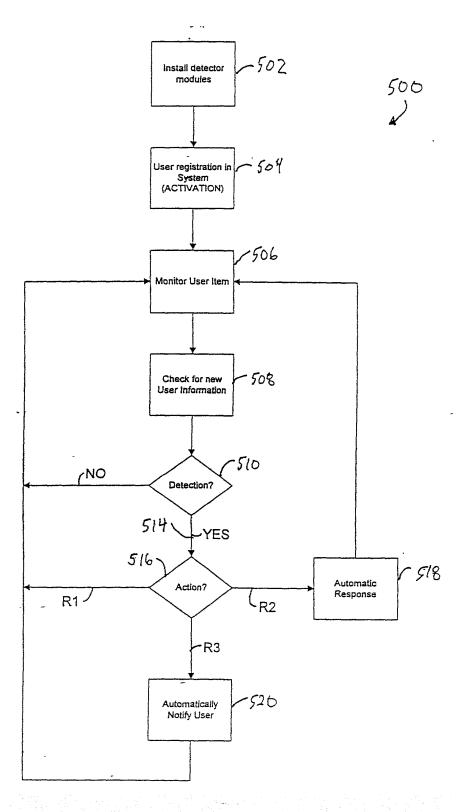
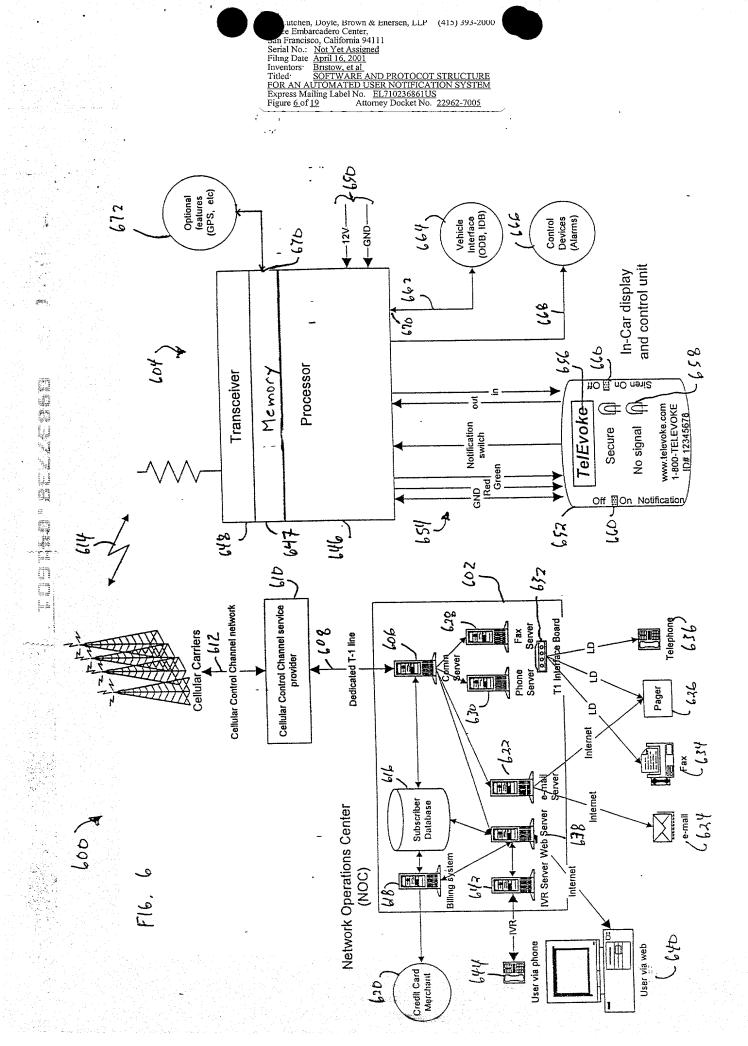


FIG. 5



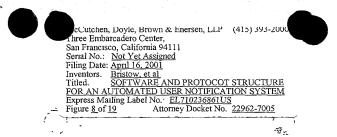
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700

CONDITION ID NUMBER Doors Lock/Unlocked 0 Windows Up/Down 1 Alarm Arm/Disarm 2 Sunroof Open/Close 3 Trunk Open/Close 4 702 Lights On/Off 5 Horn On/Off 6 Engine 7 Ignition 8 **GPS** Tracking 9

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802	- 804								
Interface type	Device								
serial port	IDB (Doors Lock/Unlocked)								
serial port	IDB (Windows Up/Down)								
twist pair	Alarm Arm/Disarm								
serial port	IDB (Sunroof Open/ Close)								
serial port	IDB (Trunk Open/Close)								
serial port	IDB (Lights On/Off)								
twist pair	Horn On/Off								
serial port	OBD (Engine)								
serial port	OBD (Ignition)								
parallel port	GPS Tracking 808								
twist pair	Misc.								

IDB = Intelli gent Data Bus (devices available)

OBD = On Board Diagnostic (engine functions)

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Televoke Login Page

## **TELEVOKE**

## Welcome to televoke.net

Dévice ID#:	902
Passcode:	909
	ENTER

How to get Televoke?
Support

Copyright @ 1999 Televoke, Inc. All rights reserved.

Note: this is a non-public website and is protected by password security. All content at www.televoke.net and its sub directones is proprietary and confidential

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Figure 10 of 19 Attorney Docket No. 22962-7005

Televoke - Notification

TELE	VOKE	Device ID Numb	100.0 (0.000) 1961	Your device is currently		Logo
News No	tification Control	Trac	king Billing U	pgrade	Support	
9.12)	914) -	•	716)	1 (motio	on detector) 🖺	
Phone	Phone Number (415) 778-0138		Message Rick Bentley's BMW M3 reports doors		Esave.	
Device	Pager Number		Numeric Message (415) 555-1234	111111111111111111111111111111111111111	test	
Device	E-mail Address		Body The doors on Rick Bentley's M3 have	AIL	test	e de la constitución de la const
910				٠. د م	•.	
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	-	•				

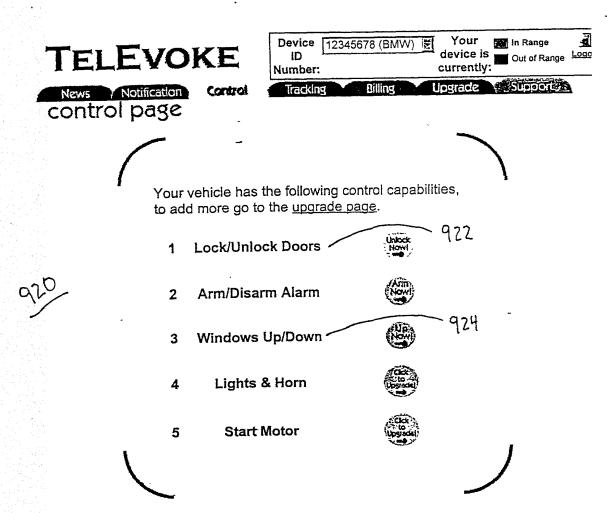
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- 11.

[News][Notification][Control][Tracking][Billing][Upgrade][Support]

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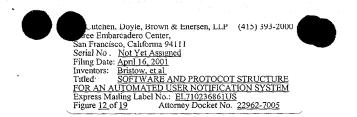
Televoke Control Page



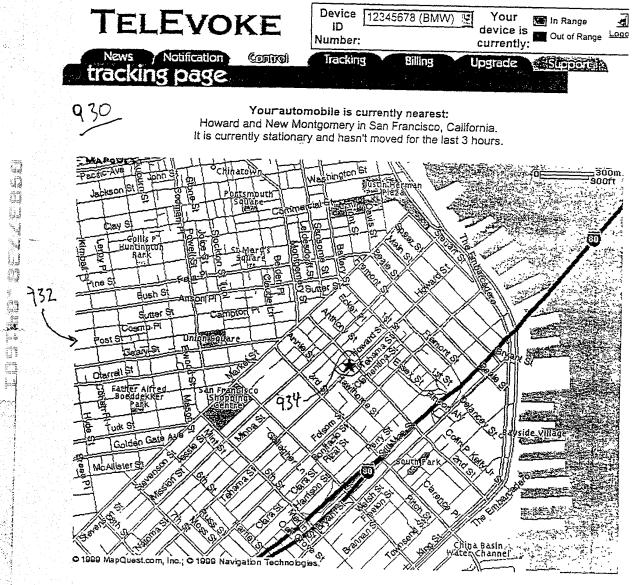
[News][Notification][Control][Tracking][Billing][Upgrade][Support]

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F16. 9C



Televoke News and Events Page



Show vehicle position for the last 1 hour

[News][Notification][Control][Tracking][Billing][Upgrade][Support]

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Titled: SOFTWARE A FOR AN AUTOMATED USER NOTIFICATION SYSTEM Express Mailing Label No.: <u>EL710236861US</u>
Figure <u>13</u> of <u>19</u> Attorney Docket No. <u>22962-7005</u>

Televoke News and Events Page

**TELEVOKE** 

Device Your 12345678 (BMW) 👪 In Range ID device is Out of Range Logo Number: currently: Tracking 

Notification page

दिवागावी

Upgrade

Activity for the current billing period starting on 4/1/99. Click here for previous billing periods.

	*	111 )	1(0)	7.748		950 —
E	vent#	` Týpe	Date /	Time	Action	Charge
	162	Notification	4/01/99	11:42pm ca	illed: (415) 555-1234	Charge, NA
er i	163	Notification	4/01/99	11:42pm pa	iged: (415) 555-4321	N/A
	164	Notification	4/01/99	11:42pm e-	mail: rick@televoke.com	N/A
	166	Control	4/05/99	2:30pm ur		N/A
	167	Tracking	4/12/99	6:45pm w	eb location	N/A
	168	Control	4/17/99	6:13pm ur	ilock doors	\$0.50
	168	Notification	4/20/99	10:49pm ca	illed: (415) 555-1234	\$0.50
in sy	169	Notification	4/20/99	10:49pm pa	iged: (415) 555-4321	\$050
	170	Notification	4/20/99	10:49pm e-	mail: rick@televoke.com	\$0.50

Your current plan includes 5 free events per month. To upgrade your plan for more included events, or more features click on <u>UPGRADE</u>.

[News][Notification][Control][Tracking][Billing][Upgrade][Support]

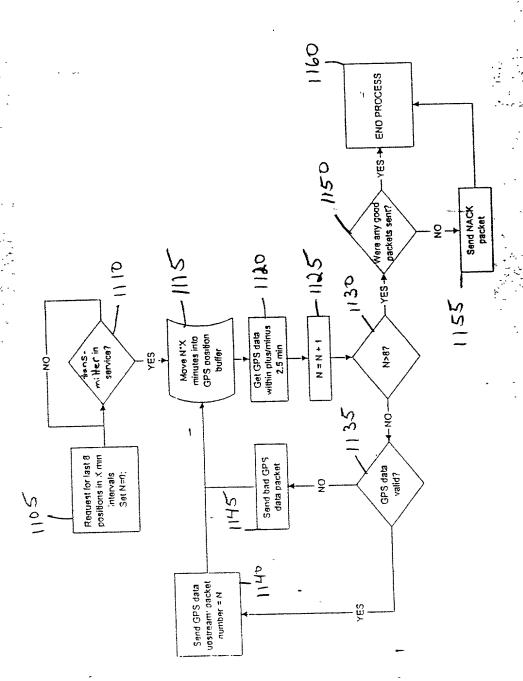
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FIG. 9.E

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) SIOI			7/01/	. !	40					•					<del></del>					_		
	Code	WC1	7. C.J.M.	3 -		WCA	20/11	3	7	3	4	5	9	WC6	WC7	WC8	WC9	WC10	WC11	7		
0101/				$\dagger$	1	1	D Get Lust 8 Pos 1 nour	D Get Last 8 Stops	D Arm and Lock	D Disarm and Unlock	D Activate Output A	n Activate Output B	n Artivate Output C	D Disable Sensor A	n Enable Sensor A	n Disable Sensor B	n Enable Sensor B	D Disable Sousor C	D Blankle Sensor C	D Entable Service	D Received and Dispatched	
V.	Table 1 Downstream Message Codes	Hinction	Account Maintenance	N. S. Cartengal P.	Account Maintenance	Kemote Venicle Tracking	Kemole vemore states	Remote Vehicle Harming	Remote Vehicle Tracking	Remote Vehicle Control (G4 Systems Circl)	Remote Vehicle Control (G4 Systems Cury)	Remote Vehicle Control (G4 Systems Cury)	Remote Vehicle Control (G4 Systems Only)	Emergency Button and Impact Sensor	Response							

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	10 11 12	ž	Latitude position data.	Format: DID2M1M2M1M4		7			
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	10	M <sub>1</sub> M <sub>1</sub> M <sub>1</sub> D <sub>1</sub> D <sub>2</sub> M <sub>1</sub> M <sub>2</sub> M <sub>1</sub>	Lati	For	J	. `		Ş	
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	9	ž	positi	D. M.	1	1775		I	
Porma	5	۵	Longitude position offset data.	Format: D <sub>1</sub> D <sub>2</sub> M <sub>1</sub> M <sub>2</sub> M <sub>3</sub> M <sub>4</sub>					
)ata F	4	<u>പ്</u>	1	E					
Table 2 Upstream Microburst Data Format	3	Ωiτ		rection		1730			
am Mic		LSD	Event	and Speed	}	5101			
Upstre		MSD	Alarm	and Sp	$\int$	0			
Table 2	Digit		Content Alarm Event Di-	1		0161	- D		
3				_ `					

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1405 1415 1410 Table 4 Upstream Message Codes Alarm Event and Speed Code Message Name Reference Section(s) SP3 SP2 Y (SP4 SP1 00 U Sensor A Remote Vehicle Tracking 143P 1420 Alarm Event Nonfication Configuration (G4 1425 Systems Only) 51 76 26 01 U Sensor B Remote Vehicle Tracking Alarm Event Nonfication Configuration (G4 Systems Only) 77 52 02 U Sensor C Remote Venicle Tracking Alarm Event Nonfication Configuration (G4 Systems Only) 78 U Door Trigger Remote Vehicle Tracking Alarm Event Nonfication Configuration (G4 Systems Only) 79 29 04 U Trunk Trigger Remote Vehicle Tracking Alarm Event Nonfication Configuration (G4 Systems Only) 55 80 30 U Hood Trigger Remote Vehicle Tracking Alarm Event Notification Configuration (G4 Systems Only) 81 06 31 U Ignition\_Sensor Remote Vehicle Tracking Alarm Event Nonfication Configuration (G4 Systems Only) 82 32 07 U 3 Invalid\_Valet\_Codes Remote Vehicle Tracking Alarm Event Notification Configuration (G4 Systems Only) 83 33 58 80 U BlackJax Activation Remote Vehicle Tracking Alarm Event Notification Configuration (G4 Systems Only) 59 84 34 U\_System\_OK 09 Remote Vehicle Tracking Alarm Event Notification Configuration (G4 Systems Only) 85 35 60 U\_Alarm\_Reset Remote Vehicle Tracking Alarm Event Notification Configuration (G4 Systems Only) 86 61 11 36 U 5 Min Pos Remote Vehicle Tracking 87 62 12 37 U 1 Hour Pos Remote Vehicle Tracking 88 13 38 63 U Last 8 Stops Pos Remote Vehicle Tracking 89 14 39 64 U Stops 1 6 Time Remote Vehicle Tracking 90 15 40 65 U Stops 7 8 Time Remote Vehicle Tracking 91 41 66 16 U Button 911 Emergency Button and Impact Sensor Response 92 42 17 U Button Roadside Emergency Button and Impact Sensor Response 93 18 43 U\_Buston\_Medical Emergency Button and Impact Sensor -Response 94 44 19

U Command 4CK

Remote Vehicle Control (G4 Systems Only) SP1 = 6-25 MPH;SP2 = 26-50 MPH;SP3 = 51-75 MPH;SP4 = >76 MPH

Detail of these messages is defined in referenced document Clifford Vehicle Tracking Payload Protocol and Format

Substitute ACK code (1 = received and handled, 2 = received and could not execute) for digit 3, digit 4

<sup>&</sup>amp; 5 command code received per Table1

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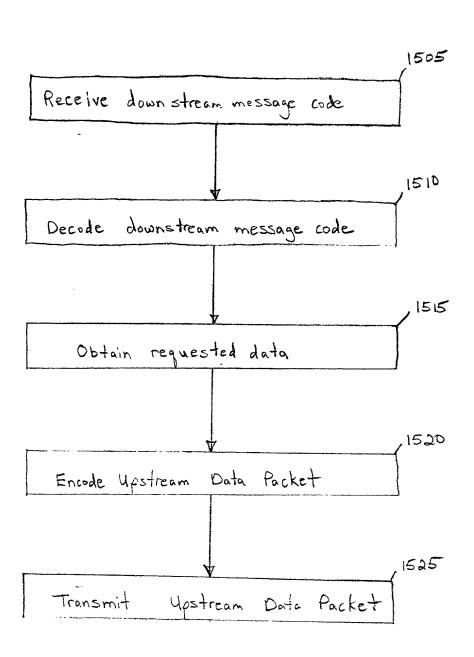


FIG. 15